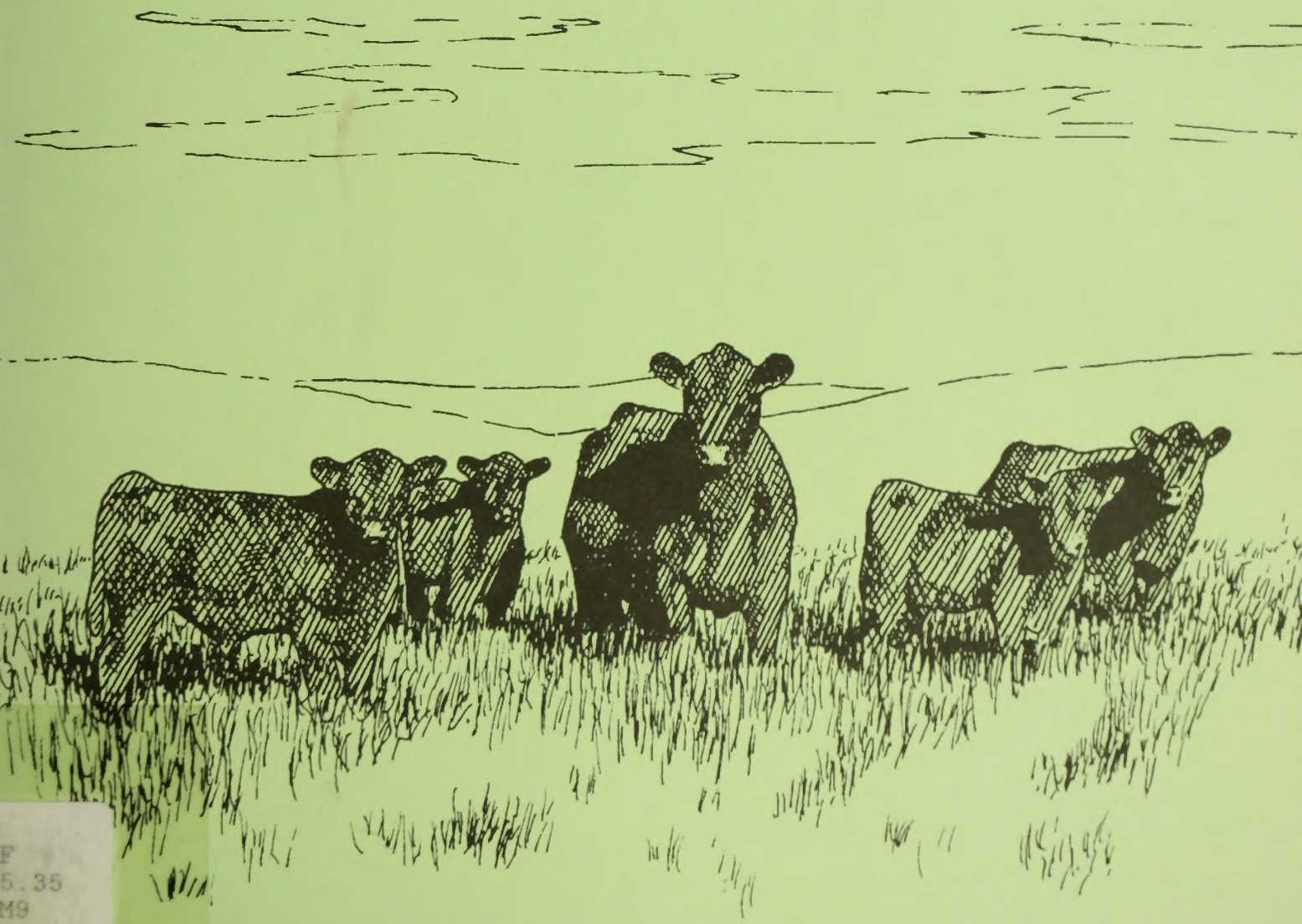
United States Department of the Interior
Bureau of Land Management

Miles City District Office

March 1992

RANGELAND PROGRAM SUMMARY

Powder River Resource Area



The Bureau of Land Management is responsible for the stewardship of our public lands. It is committed to manage, protect, and improve these lands in a manner to serve the needs of the American people for all times. Management is based on the principles of multiple use and sustained yield of our nation's resources within a framework of environmental responsibility and scientific technology. These resources include recreation; rangelands; timber; minerals; watershed; fish and wildlife; wilderness; air; and scenic, scientific, and cultural values.

BLM-MT-ES-92-005-4320

IN REPLY TO:
4100

United States Department of the Interior
BUREAU OF LAND MANAGEMENT
POWDER RIVER RESOURCE AREA
MILES CITY PLAZA
MILES CITY MT 59301-2844

Dear Reader:

This Rangeland Program Summary (RPS) reflects the current status of the Powder River Resource Area's range management program, and summarizes the changes which have occurred. The Resource Management Plan/Environmental Impact Statement (RMP/EIS) was published in December of 1984 and was followed by the Record of Decision (ROD) in 1985. These updates are published to show the manner in which the plans are implemented, and the results of those plans.

For further information relating to the rangeland program in the Powder River Resource Area, please contact the Area Manager at the Powder River Resource Area Office, Miles City Plaza, Miles City, Montana 59301-2844.

Sincerely,

Mary Alice Spencer

Mary Alice Spencer
Area Manager

RANGELAND PROGRAM SUMMARY

Powder River Resource Area
Miles City District

March 1992

U.S. Department of the Interior
Bureau of Land Management

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TABLES

ACRONYMS AND ABBREVIATIONS

AMP	Allotment Management Plan
BLM	Bureau of Land Management
CFR	Code of Federal Regulations
CRMP	Coordinated Resource Management Plan
NEPA	National Environmental Policy Act of 1969
PRRA	Powder River Resource Area
RMP	Resource Management Plan
ROD	Record of Decision
RPS	Rangeland Program Summary

INTRODUCTION

The purpose of this summary is to reflect the current status of the Powder River Resource Area's (PRRA) range program, and to summarize changes occurring since December 1984 when the Resource Management Plan (RMP) was published, followed by the Record of Decision (ROD) in March of 1985. Proposals have been developed in conformance with applicable land use plans. Required National Environmental Policy Act of 1969 (NEPA) analysis and documentation will be completed prior to implementation of all proposals.

Parties who have an interest in or who are potentially affected by the proposals and who wish to receive a copy of specific proposals, decisions, and related environmental analysis documents should request the information in writing, specifying the allotment name and number 30 days from the release of the document. Protest and appeal provisions of 43 CFR 4160 will apply.

NEW ISSUES

Progress since 1985 clearly shows that riparian management has intensified in the PRRA since the Resource Management Plan was written. Allotment monitoring identified areas having true riparian species as well as areas in need of management. Management plans developed for grazing allotments address the riparian values and objectives along with the other multiple-use goals mandated in the RMP.

Noxious weeds are increasing primarily on tributaries of the Powder River and Little Missouri Rivers. The greatest concern is an area of approximately 500 acres where leafy spurge and Russian knapweed grow. To combat this problem, the Bureau of Land Management (BLM) has had a goat rental contract for the past five years. The contract, involving 500 to 600 goats, is awarded to the lowest bidder. The primary intent of this project is to control the weeds by preventing them from seeding and spreading into the adjacent uplands.

GRAZING ADJUSTMENTS

The following symbols are utilized in Table1:

\# - Fence Line Adjustments
* - Separation of Allotments
= - Adjustments in Range Survey
\+ - Bentonite Patent
x - Combined with Another Allotment
& - Land Exchange
\- - Bureau of Reclamation Adjustment
@ - Acreage Adjustment

TABLE 1
ACREAGE AND AUM ADJUSTMENTS

FY 1986

GR. NO.	ACRES FROM	ACRES TO	NET CHANGE +/-	AUMs FROM	AUMs TO	NET CHANGE +/-
3647 #	10,933	11,049	+116	2,097	2,153	+56
3923 +	6,664	6,525	-139	767	750	-17

NOTE: There are 10 allotments that are pending completion and approval for adjustments.

FY 1987

GR. NO.	ACRES FROM	ACRES TO	NET CHANGE +/-	AUMs FROM	AUMs TO	NET CHANGE +/-
3499 +	10,994	9,212	-1,782	2,275	1,747	-528
3702 =	2,148	2,148	0	538	389	-149
3760 +	6,194	5,278	-916	731	629	-102
3923 +	6,525	6,184	-341	750	729	-21

NOTE: There is one major transaction that is pending completion and approval for adjustments.

TABLE 1 (continued)
ACREAGE AND AUM ADJUSTMENTS

FY 1988

GR. NO.	ACRES FROM	ACRES TO	NET CHANGE +/-	AUMs FROM	AUMs TO	NET CHANGE +/-
3325 *	7,968	8,169	+201	1,281	1,331	+50
3331 &	0	321	+321	0	54	+54
3361 x	670	1,467	+797	86	202	+116
3365 x	2,172	2,934	+762	407	546	+139
3373 @	369	346	-23	51	51	0
3400 @	797	720	-77	116	113	-3
3402 x	25	30	+5	3	3	0
3408 x	1,699	1,869	+170	277	309	+32
3418 *	1,600	960	-640	123	69	-54
3464 x	4,601	5,190	+589	1,104	1,166	+62
3478 @	8,942	8,994	+52	1,992	1,992	0
3481 -	2,510	2,097	-413	430	371	-59
3498 x	1,313	1,433	+120	227	256	+29
3513 *	1,806	326	-1,480	386	88	-298
3525 *	0	40	+40	0	7	+7
3546 @	4,888	4,990	+102	961	961	0
3549 x	2,774	4,730	+1,956	245	568	+323
3563 +	829	789	-40	219	213	-6
3603 x	4,352	6,460	+2,108	1,444	1,684	+240
3631 @	363	365	+2	73	73	0
3649 &	4,613	4,534	-79	761	723	-38
3669 @	640	641	+1	58	58	0
3687 @	230	258	+28	33	34	+1
3692 #	800	689	-111	168	168	0
3696 +	9,907	9,484	-423	2,075	1,933	-142
3698 =	1,895	1,836	-59	446	410	-36
3743 @	2,260	2,157	-103	269	269	0
3744 &	340	634	+294	56	89	+33
3747 =	5,214	5,214	0	1,151	1,254	+103
3760 =	5,468	5,374	-94	635	635	0
3768 @	7,752	7,818	+66	1,440	1,440	0
3778 #	4,159	4,191	+32	808	808	0
3789 =	2,474	2,539	+65	559	559	0
3805 *	186	146	-40	32	24	-8
3828 +	360	160	-200	83	45	-38
3848 x	10,272	12,266	+1,994	1,993	2,252	+259
3879 @	16,550	16,591	+41	2,734	2,740	+6
3884 x	160	240	+80	40	67	+27
3912 #	5,924	4,534	-1,390	999	1,030	+31

FY 1989

GR. NO.	ACRES FROM	ACRES TO	NET CHANGE +/-	AUMs FROM	AUMs TO	NET CHANGE +/-
3346 &	1,282	1,442	+160	181	182	+1
3382 &	1,564	1,083	-481	332	277	-55
3402 x	30	143	+113	3	20	+17

TABLE 1 (continued)
ACREAGE AND AUM ADJUSTMENTS

FY 1988

GR. NO.	ACRES FROM	ACRES TO	NET CHANGE +/-	AUMs FROM	AUMs TO	NET CHANGE +/-
3486 x	40	120	+80	8	26	+18
3548 *	1,449	540	-909	341	120	-221
3903 *	1,546	270	-1,276	396	61	-335

FY 1990

No Allotment Adjustment

FY 1991

GR. NO.	ACRES FROM	ACRES TO	NET CHANGE +/-	AUMs FROM	AUMs TO	NET CHANGE +/-
3604 *	898	888	-10	181	167	-14
3615 *	1,617	1,564	-53	422	409	-13
3697 *	7,452	7,418	-34	1,429	1,452	+23
3759 +	6,729	6,729	0	777	1,000	+223
3926 *	11,922	12,056	+134	2,858	2,885	+27

ALLOTMENT MANAGEMENT CATEGORIES

Grazing allotments have been assigned to an allotment category to establish priorities for distributing available funds and personnel during program implementation. Categorization involves placing allotments into one of three categories. The three categories broadly defined rangeland management objectives in response to an analysis of the allotment's resource characteristics, potential, opportunity, and needs. The categories are:

Maintain (M) - These are highly productive allotments which are in good condition and have no significant resource conflicts.

Improve (I) - These are allotments in less than satisfactory conditions, possibly with existing resource conflicts and not producing at their productive potential.

Custodial (C) - These are allotments in stable condition which have no major resource conflicts and productive potential is economically limited. Includes allotments with very poor soil productivity and small isolated tract allotments.

The Powder River Resource Area's grazing allotments are listed in sequence by the grazing record number along with the current allotment number and name. The preference code indicates whether the allotment is inside (CODE 3) or outside (CODE 15) a grazing district. The old management categories indicate changes; the reasons for the changes are listed.

TABLE 2
GRAZING ALLOTMENT MANAGEMENT

GR. NO.	ALLOT NO.	ALLOT NAME	PREF CODE	MGT CAT	OLD MGT CAT	REASON FOR CHANGE
3309	10010	Brey	15	C	M	Scattered BLM lands; improved range condition.
3313	00016	Clark	15	C	I	Low potential for economic return.
3329	10032	Farnum	15	C	I	Good range condition; low potential for economic return.
3350	10054	Odell Creek	15	C	M	No potential for economic return; transferred to USFS to administer.
3365	10068	Nansel	15	C	M	Scattered BLM lands; no potential for economic return.
3365	10069	Nansel	15	C	M	Scattered BLM lands; no potential for economic return.
3389	10093	Smith Place	15	C	M	Scattered BLM lands; low potential for economic return.
3393	10097	Circle Bar	15	I	M	Invasion of leafy spurge and declining riparian value.
3401	10105	Vassau's Flying X	15	C	M	Improved range condition; low potential for economic return.
3437	00159	VVV Ranch	3	I	M	AMP needs revision.
3439	10161	Arledge	3	C	M	Scattered BLM lands; low potential for economic return.
3447	00169	Robinson,J.H.	3	M	1	Improved range condition.
3455	10177	Bickerdyke	3	I	M	Poor range condition; high potential for economic return.
3464	10187	Bonefield	3	I	M	Fair range condition; has riparian potential.
3480	10459	RT Nixon	3	I	M	Poor range condition; riparian type needs improving.
3521	10245	Damm	3	I	M	Invasion of leafy spurge; deteriorating riparian values; downward trend.
3523	10247	Davis	3	C	I	Scattered BLM lands.
3602	10325	Fox	3	C	M	Scattered BLM lands.
3603	10326	Hardy	3	M	I	Stable to upward trends; needs blocking-up of BLM lands.

TABLE 2 (continued)
GRAZING ALLOTMENT MANAGEMENT

GR. NO.	ALLOT NO.	ALLOT NAME	PREF CODE	MGT CAT	OLD MGT CAT	REASON FOR CHANGE
3619	10342	Hope	3	I	M	Fair range condition; riparian needs improving.
3668	10391	Schlosser	3	I	M	Unsatisfactory range condition; downward trend; high potential for economic return.
3678	10401	Liss, S.J.	3	M	I	Upward trend.
3719	00442	Moullet	3	C	I	Scattered BLM lands; no potential for economic return.
3778	00504	Hatfield and Wilson	3	M	I	Good range condition.
3790	00514	Woolston	3	I	M	Downward trend; has potential for economic return.
3791	00515	Rosencranz	3	I	M	Poor range condition in East Woolston pasture; high economic management potential.
3823	00546	Speelmon	3	M	I	Upward trend.
3840	00561	Tauck, L	3	I	M	Unsatisfactory range condition; Drainage bottoms need improvement.
3845	00566	Enerson	3	M	I	Improved range condition.
3859	00582	Cottonwood	3	I	M	Fair condition; primary range; high potential for economic return.
3885	10607	Williams	3	I	M	Unsatisfactory range condition; needs enhancement of riparian-wetlands.
3886	10608	Willson,N.H.	3	C	I	Upward trend; low potential for economic return.
3888	10610	Wilson	3	C	I	Upward to stable trends; low potential for economic return.
3892	10616	Yates	3	C	I	Scattered BLM lands; low potential for economic return.
3908	10663	Wolff	3	I	M	Unsatisfactory range condition; high potential for economic return.
3977	10747	Seven Owl Divide	3	I	M	Unsatisfactory range condition; invasion of noxious weeds.

TABLE 3
CATEGORY AND MANAGEMENT STATUS

MGMT STATUS	CATEGORY M ACRES	I ACRES	C ACRES	TOTAL ACRES	CATEGORY M PREF	I PREF	C PREF	TOTAL ACTIVE PREF
AMP		220,376		220,376		41,949		41,949
NON AMP	552,395	130,136	179,267	861,798	104,120	26,152	23,118	153,390
TOTAL	552,395	350,512	179,267	1,082,174	104,120	68,101	23,118	195,339

ACTIVITY PLANS

TABLE 4
AMPS/CRMPS COMPLETED

ACTIVITY PLAN	1985 RPS	1986 UPDATE	1987 UPDATE	1988 UPDATE	1989 UPDATE	1990 UPDATE	1991 UPDATE
EXISTING AMPs	27	30	39	42	47	48	49
NON-AMPs	614	611	602	599	594	591	590
CRMP	1	1	1	1	1	3	5
TOTALS	642	642	642	642	642	642	644

TABLE 5
AMPS/CRMPS REVISED OR EVALUATED

YEAR	GR NO.	ALLOT. NO.	ALLOT. NAME	REVISED	EVALUATED
1986	3732	00456	Carter Co. Unit	x	
	3839	00560	Richards Allot	x	
	3894	10617	North End	x	
	3920	10678	Taylor	x	
	3922	10384	Lambert		
1987	3499	10224	Cochran	x	
1988	3915	00674	Chito Creek	x	
1990	3647	10368	Keith		x
	3715	10470	Cactus Creek		x
	3759	10485	Pierce AMP		x
	3782	00737	3-Bar	x	
	3879	10601	Flying My-Buffalo Cr.	x	
	3897	10652	Horsetrack Draw	x	
	3910	00666	Buffalo Creek	x	
	3919	10656	Dead Boy	x	
	3921	10672	Blackfoot	x	
	3929	00572	Drop Dam	x	
	3951	10330	Hay Creek		x
1991	3620	10343	Owen		x
	3925	10213	Timber Creek		x

TABLE 6
PROPOSED AMPS FOR 1992

AMP/CRMP	GR. NO.	GRAZING NAME
CRMP	3455	Ted Bickerdyke Inc.
CRMP	3636	Johnston & Son Ranch
CRMP	3325	Thomas W. Mikesell

MONITORING PROGRAM

Since 1986, 189 grazing allotments have been monitored in the PRRA. Two important aspects of monitoring allotments are updating the range conditions and inspection of projects. Approximately 15 allotments will be monitored each year with the emphasis placed on quality control. Monitoring study methods are done primarily on allotments within the categories I and M; however, they also are done on allotments within the C category, when required due to change in riparian or other resource values.

Vegetation composition and trend studies usually are done on typically representative key areas within allotments, pastures, watersheds, or habitats. Therefore, key area selection is crucial to the success of the monitoring program. The data obtained indicates whether the area is moving away from or toward its potential or the specific objectives. Data consists of documentation relative to vegetative composition, density, cover, and frequency.

Studies should be conducted (1) in ungrazed pastures, (2) after most growth is complete, and (3) before the loss of some of the vegetation due to weathering and wind.

Some of the more prevalent study methods used include:

1. 3' x 3' photo plots
2. 100 pace (WCD* phase 1) transect
3. General and closeup photo points
4. Cover board photo point
5. Daubenmire transect
6. 100 point vegetative transect (the primary study method used)

**Watershed Conservation and Development*

Utilization studies are conducted in specific key areas or throughout the pasture or allotment. The purpose is to measure the amount of vegetation removed. The data is used to evaluate grazing system effects and use adjustments, primarily. The following methods are the most frequently implemented:

1. Ocular estimate
2. Key forage plant (the primary method used)
3. Cover board photography

TABLE 7
MONITORING STUDIES

GR. NO.	ALLOT NO.	YR COMPL	FREQ READ	CAT	TREND (STABLE	UPWARD	DOWNWARD)	UTIL	KIND OF STUDY PHOTO	100 FT	ARE RMP OBJECTIVES BEING MET YES	NO	UNDECIDED
3309	10010	1990		C	X			X			X		
3311	10014	1990	10	M	X				X		X		
3313	00016	1977	10	C		X				X	X		
3324	00027	1990	10	C		X		X		X	X		
3325	00028	1987	5	M	X			X		X			
3329	10032	1989	10	C		X				X	X		
3339	00042	1988	10	C	X			X	X		X		
3343	10046	1977	10	C	X			X	X		X		
3350	10054	1990	10	C			X			X	X		
3359	10063	1988	10	C	X				X		X		
3360	10064	1988	10	C	X			X			X		
3365	10068	1977	10	C	X			X		X	X		
3365	10069	1977	10	C	X			X		X	X		
3380	00084	1976	10	M	X			X	X		X		
3385	10088	1988	10	C	X				X		X		
3389	10093	1977	10	C	X					X	X		
3390	10094	1977	10	C	X				X		X		
3393	00097	1977	10	I	X					X	X		
3401	10105	1989	5	C		X		X		X	X		
3413	00708	1987	10	C					X		X		

TABLE 7 (continued)
MONITORING STUDIES

GR. NO.	ALLOT NO.	YR COMPL	FREQ READ	CAT	TREND (STABLE	UPWARD	DOWNWARD)	UTIL	KIND OF STUDY PHOTO	100 FT	ARE RMP OBJECTIVES BEING MET YES	NO	UNDECIDED
3418	00641	1987	10	M		X		X	X		X		
3437	00159	1987	10	I	X			X		X			X
3439	10161	1989	5	C	X					X	X		
3440	10162	1987	5	M		X				X	X		
3447	00169	1988	5	M	X					X			X
3452	10174	1988	10	C	X				X		X		
3453	10175	1988	5	I	X				X			X	
3455	10177	1990	5	I	X					X			X
3464	10187	1990	5	I	X					X			X
3473	10196	1989	5	M	X				X		X		
3478	10201	1979	4	I		X		X		X	X		
3480	00459	1987	10	I	X			X		X	X		
3481	10203	1987	10	M	X				X				X
3482	10204	1990	10	1			X			X		X	
3496	10220		10	M	X				X		X		
3497	10221	1988	10	1	X					X			X
3501	10225	1987	10	C		X		X			X		
3502	10226	1988	10	C	X	X		X				X	
3508	10232	1988	10	M	X			X			X		
3510	10234	1988	10	M	X				X			X	
3518	10242	1987	10	M	X				X		X		
3520	10244	1988	10	C	X				X		X		
3521	10245	1964	10	I	X					X			X
3522	10246	1990	5	I	X					X			X
3523	10247	1988	5	C	X				X		X		
3537	10261	1988	10	C		X			X		X		
3546	00270	1987	10	I	X			X		X			X
3552	00574	1990	10	M	X				X		X		
3561	00423	1987	10	M	X				X		X		
3566	00288	1987	10	C	X			X	X		X		
3572	10295	1990	5	I		X				X	X		
3590	10313	1988	10	C	X			X			X		
3593	10316	1987	5	1		X		X		X	X		
3602	10325	1990	10	C	X				X		X		
3603	00639	1988	5	I	X			X					X
3603	10326	1987	5	M		X				X	X		
3604	10327	1990	5	I	X					X			X
3615	00338	1989	10	M		X		X	X		X		
3619	10342	1988	10	I	X			X		X			X
3622	10345	1989	5	I			X			X		X	
3623	00346	1988	10	C	X				X		X		
3637	10358	1988	10	I		X				X			X
3645	00366	1987	10	C	X				X		X		
3647	10368	1955	5	I			X	X		X		X	
3649	10370	1989	5	I	X					X	X		
3661	10383	1955	10	I	X					X		X	
3668	10391	1990	5	I			X			X		X	
3677	10400	1990	10	M	X				X		X		
3678	10401	1989	10	M		X			X		X		
3680	00403	1988	10	C		X		X			X		
3682	10405	1988	10	C	X							X	
3686	10408	1989	10	C	X				X		X		

TABLE 7 (continued)
MONITORING STUDIES

GR. NO.	ALLOT NO.	YR COMPL	FREQ READ	CAT	TREND (STABLE	UPWARD	DOWNWARD)	UTIL	KIND OF STUDY PHOTO	100 FT	ARE RMP OBJECTIVES BEING MET YES	NO	UNDECIDED
3689	10411	1987	10	M	X					X	X		
3697	10420	1990	5	I			X			X		X	
3719	00442	1989	5	C		X				X	X		
3720	00443	1987	10	C	X			X	X		X		
3724	00448	1987	10	C	X				X		X		
3726	10450	1990	10	M	X				X		X		
3729	10453	1989	5	I	X			X		X			X
3730	00454	1987	10	M	X				X		X		
3736	10709	1977	10	M			X	X		X			X
3760	10486	1988		I	X				X		X		
3761	00487	1989	5	I	X				X				X
3764	00490	1988	10	C			X		X			X	
3764	10300	1988	10	I	X					X			X
3768	00494	1975	3	M		X		X		X	X		
3769	00625	1988	10	C	X			X			X		
3769	00626	1988	10	C	X			X			X		
3778	00504	1986	10	M	X			X		X	X		
3783	00508	1988	5	M	X			X		X			X
3787	00512	1988	10	C	X			X	X				X
3787	10683	1988	10	M	X				X				X
3790	00514	1987	5	I			X			X		X	
3791	00515	1990	5	I	X					X			X
3799	00522	1987	10	M	X			X	X		X		
3802	10525	1989	5	I	X			X		X	X		
3810	00533	1988	10	M			X		X			X	
3814	00537	1987	10	I	X			X	X		X		
3817	00540	1988	5	I	X		X	X		X		X	
3823	00546	1988	10	M	X				X		X		
3826	00549	1987	10	C		X			X		X		
3828	00551	1987	10	C	X			X	X		X		
3831	00554	1988	10	M	X				X		X		
3831	10328	1988	10	M	X				X		X		
3831	10706	1988	10	M	X				X		X		
3836	10736	1990	5	I	X				X				X
3840	00561	1990	5	I	X					X			X
3845	00566	1987	10	M		X			X		X		
3852	10647	1990	5	I	X			X		X			X
3857	00580	1989	5	I	X				X				X
3859	00582	1985	10	I	X			X		X			X
3870	00307	1987	10	M	X				X				X
3873	00596	1987	10	C	X			X	X		X		
3874	00597	1964	10	M	X				X		X		
3882	10604	1986	10	C		X			X		X		
3885	10607	1990	5	I	X					X			X
3886	10608	1989	10	C	X				X		X		
3888	10610	1989	10	C	X					X	X		
3890	10612	1990	5	I	X			X		X			X
3892	10616	1989	10	C	X				X		X		
3896	10651	1987	5		X					X			X
3903	10659	1988	10	I	X			X	X	X		X	
3906	00662	1985	2	1	X			X		X	X		
3907	10665	1987	10	C		X			X		X		

TABLE 7 (continued)
MONITORING STUDIES

GR. NO.	ALLOT NO.	YR COMPL	FREQ READ	CAT	TREND (STABLE	UPWARD	DOWNWARD)	UTIL	KIND OF STUDY PHOTO	100 FT	ARE RMP OBJECTIVES BEING MET YES	NO	UNDECIDED
3908	10663	1990	5	I	X					X			X
3909	00664	1955	10	M	X					X	X		
3911	00668	1989	5	I	X			X		X			X
3913	00670	1990	5	I		X				X	X		
3914	10671	1988	10	I	X					X			X
3919	10656	1954	3	I	X			X		X			X
3920	10678	1970	3	I	X			X		X	X		
3933	00680	1990	10	M			X		X			X	
3934	00690	1987	5	I	X					X			X
3936	10692	1988	10	M	X			X	X			X	
3937	00630	1960	5	M	X				X				X
3945	00701	1987	10	C		X			X		X		
3946	10702	1987	10	C	X				X				X
3949	10304	1988	5	I			X	X		X			X
3957	10716	1990	5	I		X			X		X		
3961	05422	1987	10	C		X			X		X		
3968	05464	1987	10	C	X				X		X		
3977	10747	1990	5	I			X			X		X	

ALLOTMENT NAME AND BOUNDARY ADJUSTMENTS

TABLE 8
SEPARATING OR COMBINING ALLOTMENTS

GR. NO.	ALLOT. NO.	ALLOTMENT NAME	REASON FOR SEPARATION/AGGREGATION
3304	10020	Bailey	Combined with GR 3326
3311	10034	Carrel	Portion combined with GR 3332
3312	10116	Clark	Combined with GR 3313
3349	10113	Forks	Portion combined with GR 3407
3349	10142	Kendrick	Portion combined with GR 3318
3350	10035	Poker Jim	Combined with GR 3366
3354	10018	Conley	Portion combined with GR 3315
3357	10061	Agri Empire	Combined with GR 3402
3366	10035	Poker Jim	Combined with GR 3350
3368	10072	Agri Empire	Combined with GR 3402
3375	10079	Pierce	Combined with GR 3408
3384	10089	Ruzicka One	Combined with GR 3385
3386	10090	Schreibeis	Combined with GR 3395
3389	10010	Brey	Combined with GR 3309
3398	10102	Thompson	Combined with GR 3361
3401	00556	Smith Creek	Portion combined with GR 3312
3401	10001	Ashenhurst	Portion combined with GR 3300
3401	00053	20 Ranch	Combined portion with GR 3357
3406	10070	Rock Creek	Portion combined with GR 3420
3406	10071	Monument Creek	Portion combined with GR 3416
3407	10069	Nansel	Combined with GR 3365
3445	00491	Powers	Portion combined with GR 3765
3449	10171	Bastian	Portion combined with GR 3549

TABLE 8 (continued)
SEPARATING OR COMBINING ALLOTMENTS

GR. NO.	ALLOT. NO.	ALLOTMENT NAME	REASON FOR SEPARATION/AGGREGATION
3500	10311	Baker Place	Combined with GR 3498
3550	10340	Forest Creek	Combined portion with GR 3605
3550	10683	Haddow Creek	Combined with GR 3787
3554	10277	Paul	Combined with GR 3486
3554	10327	Harkins	Combined with GR 3604
3575	10299	Soda Creek	Combined with GR 3576
3576	10300	Garst Unit	Combined with GR 3764
3580	10705	Hunt	Combined with GR 3949
3596	10648	Linger	Combined portion with GR 3669
3602	10720	John K.	Combined with GR 3985
3608	00639	Second Creek	Combined with GR 3603
3626	10509	Rogers	Combined with GR 3784
3628	10350	R. Irion	Combined with GR 3545
3697	10753	Young	Portion combined with GR 3705
3697	10752	Ewalt	Portion combined with GR 3626
3705	10429	Kiwah	Combined with GR 3554
3735	10452	Young Place	Combined with GR 3736
3736	10452	Young Place	Portion combined with GR 3735
3765	10167	Bales	Portion combined with GR 3445
3784	10509	Rogers	Combined portion of land GR 3626
3813	10171	Bastian	Portion combined with GR 3549
3851	10158	Andrews	Combined with GR 3436
3853	10649	Harris Creek	Combined with GR 3858
3873	10238	Rue Creek	Portion combined with GR 3955
3925	10217	Corral Creek	Combined portion with GR 3747
3953	10485	Pierce AMP	Combined with GR 3759
3955	10714	Preston	Combined with GR 3733
3964	10031	Armells	Combined with GR 3328
3986	00473	Snediger	Portion combined with GR 3748

TABLE 9
ALLOTMENT NAME CHANGES

ALLOTMENT NUMBER	NEW ALLOTMENT NAME	ALLOTMENT NUMBER	NEW ALLOTMENT NAME
10076	BREWER	10013	BROWN CATTLE
10712	WRIGHT	10067	NANCE
10713	NIEDGE	10068	NANSEL
10707	DENSON	10069	NANSEL
10710	MUSGRAVE	10077	HOSFORD
10711	JONES	10078	PHILBRICK
10098	NANSEL	10081	PORTER
10733	PARKS	10082	PORTER
10223	COLVIN	10084	QUART. CIRCLE U
00642	SMITH	10087	ROCKER SIX
10643	HAMMEL	00092	SHY
00594	HIMELSPACH	10100	TERRETT
10275	ELLIS	10103	TRUSLER
10723	LABREE	10061	AGRI-EMPIRE
10724	EVANS	100072	AGRI-EMPIRE

TABLE 9 (continued)
ALLOTMENT NAME CHANGES

ALLOTMENT NUMBER	NEW ALLOTMENT NAME	ALLOTMENT NUMBER	NEW ALLOTMENT NAME
10729	MILLARD UNIT	10066	MONTAYLOR
00004	BAILEY	10047	WELLS
10007	BATEY	10684	FOUR L
10008	BOSCHEE	10157	ANDERSON
10010	BREY	00166	NIES
10011	BROADUS	10173	BEACH
10014	CANYON CREEK	10183	BLISS
10018	CONLEY	10184	BLUM
10019	CORNWELL	10202	CADWELL
10021	WEBSTER	10204	ERICKSON
00023	CURRAN	10205	CAPRA
10025	FOUR L	10206	CARLISLE
10029	EGAN RANCH	10207	PATTEN
10030	EGAN	10212	CHEZUM
10032	FARNUM	10214	CLARK
10033	LUTHER	10218	CLEMENTS
10037	GENIE	00219	CLINE
00038	ARROW	10221	OLSON
10039	GILLIN	00229	FRASER
10040	GOLDER	10231	COONS
00041	GREENLEAF	00240	CURRY
00042	COSTON	10241	DAILY
00043	HAMILTON	10242	DAILY
10044	HAMILTON	10244	GASKILL
10045	HARSTAD	10246	DAVIDSON
10048	HOSFORD	10266	HELM HEREFORD
10051	JORDAN RANCHES	10268	EMBREY
10055	LANGE	10271	BLOWOUT CREEK
10056	LARSEN	00574	FAILINGS
10057	LEE	10276	FARWELL
00058	LLOYD	10291	BAKING POWDER
10064	VISBORG	10295	FRUIT
10065	MUSGRAVE	10296	FULTON
00059	MACDONALD	00515	ROSENCRANZ
00516	ROW	00517	EMMONS
00518	RUMPH	00520	RUMPH
00298	GALI RANCH	10012	BROWN CATTLE
10305	GIACOMETTO RANCH	10310	GILGER RANCH
00312	GOSSELIN	00521	RUSSELL
10315	GRESENS	00522	RUSSELL AND RUMPH
10316	GRIFFIN	00523	RUSSIFF RANCH
10317	CURRY	00527	ELGIN
10318	GUYER	00529	SAMUELSON
10323	HANLAN	00530	GUTZ
10324	CARLSON	00531	SANBURN
10329	HARRINGTON	00534	SCHAFFER
00332	RIDGE CHURCH	00535	SCOFIELD
10333	HARWOOD	00540	SCHAFFER
10334	HAYES	00541	SCHWEDE
10335	HEDGES	00542	SMITH
10348	HUGHES	00544	SMITH

TABLE 9 (continued)
ALLOTMENT NAME CHANGES

ALLOTMENT NUMBER	NEW ALLOTMENT NAME	ALLOTMENT NUMBER	NEW ALLOTMENT NAME
10349	I U RANCH	00545	SMITH
10180	PABST	00548	SHANNON
00353	BOGGS	00553	SULLIVAN
I0354	JOHNSON	I0558	TALCOTT
I0355	JOHNSON	10559	TALKINGTON
00361	JONES	00561	TAUCK
10362	JONES	00563	TAYLOR
10364	JONUTIS	00564	TAYLOR
10394	LEATHERBERRY	00565	TEIGEN
10395	LEHMAN	00568	TEIGEN
10396	LEWIS	00579	ROSENCRANZ
10397	LINVILLE	00580	TRAIL CREEK GRAZ.
10398	LINVILLE	00583	TRAUB
10399	LINVILLE	00584	TRAUTMAN HEIRS
10402	LLOYD	00587	ULLRICH
10404	LOKEN	00589	WALKER
10406	LOVEC	00595	WALTER
10407	LUDWICK	00598	WATTERS FARM
10410	FRANKLIN	I0418	MCDOWELL
00413	MALLETT	00599	WETHERELT
10416	MCAULAY RANCH	10600	SQUARE TOP THREE
10417	MCCAMISH	I0603	WILLIAMS
10430	MEYER	I0607	WILLIAMS RANCH
10432	MINOW	I0608	WILLSON
00436	MORELLA	I0609	BEESLEY
00439	MORRIS	I0611	W L RANCH
00440	MOSER	10614	PLAY CREEK
10449	NEECE	I0616	YATES
00458	KUEHN	10297	F T Y RANCH
00471	FRANKLIN	10618	ZUPANIK
10499	RICE	I0661	ELMORE
00503	RIESLAND	10664	GOEDERS
00506	RITER	00670	COLLINS
00510	ROGERS	00671	LAIRD
00511	ROLPH	00680	HOGAN
00513	ROSE		

LAND TENURE ADJUSTMENTS

Table 10 shows changes in allotment acreage and grazing preference due to land acquisitions or disposal.

TABLE 10
LAND TRANSACTIONS

BELL TOWER RANCH INC. (GR 3649 and 3912)	**ACRES**	**PREFERENCE**
BLM land conveyed to Belltower Ranch	502.32	123
BLM acquired surface estate from Belltower Ranch	520	81
STANFORD CLINTON JR (GR 3879) PRESENT PERMITTEE HOLDER OF PREFERENCE ON ACQUIRED LAND		
BLM land conveyed to E. Amory Hubbard (GR 3879)	4,123.32	665
BLM acquired surface estate from E. Amory (GR 3879) Hubbard	3,156.22	544
LEXY C. FOWLER (GR 3349) PRESENT PERMITTEE HOLDER OF PREFERENCE ON ACQUIRED LAND		
BLM land conveyed to Charles Conley (GR 3315)	1,878.12	574
BLM acquired surface estate from (GR 3315)	2,040	439
RICHARD OWEN (GR 3620)		
BLM land conveyed to Richard Owen (GR 3620)	500	111
BLM acquired surface estate from Richard Owen (GR 3620)	558.42	115
RINGLING RANCH LMO PARTNERSHIP (GR 3779)		
BLM conveyed to Ringling (GR 3779)	640	102
CHARLES L. OLESON (GR 3715)		
BLM land conveyed to Oleson (GR 3715)	280.4	45
BLM surface estate from Oleson (GR 3715)	280.46	48
TOM D. STIEG (GR 3689)		
BLM land conveyed to Stieg (GR 3689)	559.83	110
BLM acquired surface estate from Stieg (GR 3689)	560.00	127
	ACRES	**AUMS**
TOTAL ACQUIRED	**5,295.47**	**1,354**
TOTAL CONVEYED (Disposal)	**8,484.83**	**1,670**

RANGE IMPROVEMENTS

Activity plans and environmental analyses are prepared prior to any development. Plan intensity and coordination may range from allotment management plans (AMPs) to coordinated resource management plans (CRMPs). The following summary and Table 11 (Range Improvement Program, 1985-1991) illustrate the BLM's progress in the Powder River Resource Area (PRRA). Table 12 reveals the proposed range improvement program for 1992.

TABLE 11
ANNUAL RANGE IMPROVEMENT PROGRAM

	MISC	LAND TREAT (ACRES)	NOXIOUS WEEDS (ACRES)	FENCES	SPRINGS	PIPE LINES (MILES)	WELLS	RESER-VOIR	COSTS WEED CONTROL	OTHER IMPROVE.	TOTAL	PROPOSED BUDGET
Completed 85	#	0	253.5	3.1	1	1.2	0	6	12,585	34,094	46,679	70,770
Completed 86	@	1,220	37	9.4	0	11.2	3	10	3,000	142,415	145,415	166,995
Completed 87	*	982	113	7.45	2	3.2	1	16	10,069	117,830	127,899	189,410
Completed 88		0	86	10.3	0	7.0	0	3	10,069	56,437	66,506	77,711
Completed 89		1,550	430	4.75	1	6.74	1	17	9,800	82,400	92,200	153,999
Completed 90		0	785	5.6	0	0.00	0	27	20,200	58,478	78,678	56,326
Completed 91		400	960	9.8	0	5.1	1	14	26,400	95,712	122,112	122,959

* Includes waterspreaders, a road, and a crossing
@ Force Account = $4,340
# Force Account = $6,918; Bo Powerline @ 1.8 mile = $7,800

TABLE 12
RANGE IMPROVEMENT SCHEDULE FY92

GRAZ. REC#	MGT. CAT.	USER COOP	AWP RANK	PROJ NO	CONST UNITS NAME	NO.	TYPE	EST. COSTS TYPE	BLM	CONTR.	COMMENTS
3921	I	CRMP	1	9049	BLACKFOOT FENCE	1	MI	C	$2,500	$0	DAGUE
3759	I	AMP	2	9059	BLACK PIT	1	EA	C	$2,400	$0	NIXON (PIERCE AMP)
3923	I	AMP	3	9060	SPARTINA PIT	1	EA	C	$2,400	$0	WYOTANA (FOSTER)
3437	I	AMP	4	9082	CNR. RSVR. FENCE	0.3	MI	C	$700	$0	DEAN
3499	I	AMP	5	9064	BRUSH PIT	1	EA	C	$2,400	$0	COCHRAN GRAZ. ASSN.
3499	I	AMP	6	9065	DIKE PIT	1	EA	C	$2,400	$0	COCHRAN GRAZ. ASSN.
3499	I	AMP	7	9066	SWEDE'S PIT #2	1	EA	C	$2,400	$0	COCHRAN GRAZ. ASSN.
3620	I	AMP	8	9061	UPPER DIKE PIT	1	EA	C	$2,500	$0	OWEN, R.
3913	I	AMP	9	9063	KNOBBY PIT	1	EA	C	$2,170	$0	MARSHALL
3913	I	AMP	10	9062	TEAL DIVERSION	1	EA	C	$420	$0	MARSHALL
3689	I	AMP	11	9083	MALLARD FENCE	0.3	MI	F	$700	$0	STIEG
3951	I	AMP	12	6421	DUGOUT SPRING	1	EA	F	$2,000	$0	ALEXANDER
3951	I	AMP	13	6422	ALKALI SPRING	1	EA	F	$2,500	$0	ALEXANDER
3951	I	AMP	14	8461	BOG SPRING #2	1	EA	F	$1,500	$0	ALEXANDER
3951	I	AMP	15	8463	LOOM FENCE EXT.	0.3	MI	R	$700	$0	ALEXANDER
3638	I	AMP	16	9027	GUMBO WELL	1	EA	C	$4,000	$4,000	JOHNSTONE
3890	I	AMP	17	9077	LIGNITE PIT	1	EA	C	$2,200	$0	BOULWARE
3890	I	AMP	18	9078	MARLY RSVR.	1	EA	C	$4,600	$0	BOULWARE
3890	I	AMP	19	9079	PYLON PIT	1	EA	C	$2,200	$0	BOULWARE
3455	I	PAMP	20	9067	FLOYD'S PIT	1	EA	C	$2,400	$0	BICKERDYKE
3455	I	PAMP	21	9068	SOUTH PIT	1	EA	C	$2,400	$0	BICKERDYKE
3455	I	PAMP	22	9069	YEARLING PIT	1	EA	C	$2,400	$0	BICKERDYKE
3455	I	PAMP	23	9070	GENE'S PIT	1	EA	C	$2,400	$0	BICKERDYKE

Estimated expenditures for weed control are given in Table 13 by county.

TABLE 13
WEED CONTROL ESTIMATES

COUNTY	FY92 COSTS
Big Horn	$3,250
Carter	$6,000
Custer	$1,300
Powder River	$10,150
Treasure/Rosebud	$1,300
TOTALS	$22,000

MAINTENANCE PROGRAM

Project maintenance in the Powder River Resource Area since 1984 has been very limited. Approximately $2,000 has been spent on Gumbo catchment, Project NO. 416421.

☆ U.S. GOVERNMENT PRINTING OFFICE: 1991—691-296/62,001 REGION NO. 10

UNITED STATES
DEPARTMENT OF THE INTERIOR
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